GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	08-JAN-2011
Start Time of First Product	01:14:47
Stop Time of Last Product	23:18:37
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110108CMEP3270.E2	08-JAN-2011	02:48:05.677
EGOI_110108CMEP3279.E2	08-JAN-2011	04:27:27.296
EGOI_110108CMEP3288.E2	08-JAN-2011	16:48:55.879
EGOI_110108GSEP3047.E2	08-JAN-2011	01:14:47.102
EGOI_110108GSEP3079.E2	08-JAN-2011	02:51:52.201
EGOI_110108GSEP3107.E2	08-JAN-2011	04:33:43.831
EGOI_110108GSEP3114.E2	08-JAN-2011	06:15:48.971
EGOI_110108KSEP3669.E2	08-JAN-2011	06:33:31.071
EGOI_110108KSEP3688.E2	08-JAN-2011	08:13:25.696

EGOI_110108KSEP3711.E2	08-JAN-2011	09:53:06.810
EGOI_110108KSEP3742.E2	08-JAN-2011	11:32:38.922
EGOI_110108KSEP3771.E2	08-JAN-2011	13:11:47.038
EGOI_110108KSEP3782.E2	08-JAN-2011	14:50:32.650
EGOI_110108KSEP3797.E2	08-JAN-2011	16:28:12.254
EGOI_110108KSEP3825.E2	08-JAN-2011	18:06:15.862
EGOI_110108KSEP3856.E2	08-JAN-2011	19:44:23.966
EGOI_110108KSEP3882.E2	08-JAN-2011	21:24:57.594
EGOI_110108KSEP3907.E2	08-JAN-2011	23:07:41.730
EGOI_110108MAEP1700.E2	08-JAN-2011	08:21:45.241
EGOI_110108MAEP1712.E2	08-JAN-2011	10:00:35.353
EGOI_110108MAEP1733.E2	08-JAN-2011	21:17:18.545
EGOI_110108MSEP2824.E2	08-JAN-2011	10:08:30.905
EGOI_110108MSEP2843.E2	08-JAN-2011	11:45:43.506
EGOI_110108MSEP2865.E2	08-JAN-2011	13:27:09.633
EGOI_110108MSEP2879.E2	08-JAN-2011	21:19:53.063
EGOI_110108MSEP2911.E2	08-JAN-2011	22:54:22.144
EGOI_110108SGEP0724.E2	08-JAN-2011	01:55:00.848
EGOI_110108SGEP0729.E2	08-JAN-2011	03:30:19.440
EGOI_110108SGEP0734.E2	08-JAN-2011	05:12:21.566
EGOI_110108SGEP0739.E2	08-JAN-2011	14:26:23.501
EGOI_110108SGEP0744.E2	08-JAN-2011	16:04:54.113

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82181	08-JAN-2011	06:31:41.553	06:33:31.071	109.51800
KS	82182	08-JAN-2011	08:10:55.271	08:13:25.696	150.42500
KS	82183	08-JAN-2011	09:50:32.506	09:53:06.810	154.30400
KS	82184	08-JAN-2011	11:30:04.685	11:32:38.922	154.23700
KS	82185	08-JAN-2011	13:09:14.134	13:11:47.037	152.90300
KS	82186	08-JAN-2011	14:47:54.579	14:50:32.650	158.07100
KS	82187	08-JAN-2011	16:25:34.474	16:28:12.253	157.77900
KS	82188	08-JAN-2011	18:03:21.504	18:06:15.861	174.35700
KS	82189	08-JAN-2011	19:42:13.410	19:44:23.966	130.55600
KS	82190	08-JAN-2011	21:22:49.749	21:24:57.593	127.84400
KS	82191	08-JAN-2011	23:05:52.108	23:07:41.729	109.62100
GS	82178	08-JAN-2011	01:12:49.777	01:14:47.102	117.32500
GS	82179	08-JAN-2011	02:49:53.103	02:51:52.201	119.09800
GS	82180	08-JAN-2011	04:31:44.540	04:33:43.830	119.29000
MS	82183	08-JAN-2011	10:06:04.974	10:08:30.904	145.93000

MS	82184	08-JAN-2011	11:43:00.116	11:45:43.506	163.39000
MS	82184	08-JAN-2011	11:52:15.044	11:56:18.015	242.97100
MS	82185	08-JAN-2011	13:24:37.358	13:27:09.633	152.27500
MS	82191	08-JAN-2011	22:52:17.543	22:54:22.144	124.60100
MA	82182	08-JAN-2011	08:20:07.088	08:21:45.241	98.153000
MA	82183	08-JAN-2011	09:58:34.951	10:00:35.352	120.40100
MA	82190	08-JAN-2011	21:14:32.648	21:17:18.544	165.89600
SG	82179	08-JAN-2011	03:26:54.321	03:30:19.439	205.11800
SG	82179	08-JAN-2011	03:38:28.486	03:40:47.491	139.00500
SG	82185	08-JAN-2011	14:23:59.303	14:26:23.500	144.19700
SG	82186	08-JAN-2011	16:02:02.616	16:04:54.113	171.49700
CM	82179	08-JAN-2011	02:47:04.417	02:48:05.676	61.259000
CM	82187	08-JAN-2011	16:47:23.224	16:48:55.879	92.655000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82177	08-JAN-2011	00:17:43.769	00:32:21.929	878.16000
MM	82177	08-JAN-2011	00:29:18.006	00:40:20.542	662.53600
HO	82178	08-JAN-2011	02:01:23.663	02:09:30.573	486.91000
MM	82178	08-JAN-2011	02:11:39.299	02:20:39.065	539.76600
BE	82179	08-JAN-2011	03:15:55.649	03:29:16.029	800.38000
MM	82179	08-JAN-2011	03:54:42.808	04:01:23.730	400.92200
MI	82179	08-JAN-2011	02:45:41.315	02:58:02.992	741.67700
BE	82180	08-JAN-2011	04:57:01.579	05:04:59.169	477.59000
MM	82180	08-JAN-2011	05:37:21.541	05:43:10.769	349.22800
MI	82180	08-JAN-2011	04:25:23.750	04:36:54.475	690.72500
MM	82181	08-JAN-2011	07:18:41.022	07:26:08.468	447.44600
JO	82181	08-JAN-2011	06:58:14.380	07:10:06.653	712.27300
MM	82182	08-JAN-2011	08:59:13.572	09:09:01.775	588.20300
JO	82182	08-JAN-2011	08:35:37.774	08:50:27.896	890.12200
MM	82183	08-JAN-2011	10:39:26.164	10:51:00.911	694.74700
HO	82184	08-JAN-2011	12:28:22.886	12:42:52.451	869.56500
MM	82184	08-JAN-2011	12:19:25.143	12:31:55.339	750.19600
MA	82184	08-JAN-2011	11:40:00.579	11:46:53.142	412.56300
HO	82185	08-JAN-2011	14:07:57.008	14:21:12.623	795.61500

MM	82185	08-JAN-2011	13:59:09.946	14:11:53.870	763.92400
SG	82185	08-JAN-2011	14:23:59.303	14:34:58.460	659.15700
BE	82186	08-JAN-2011	14:32:41.450	14:45:52.165	790.71500
MM	82186	08-JAN-2011	15:38:38.726	15:51:15.625	756.89900
MI	82186	08-JAN-2011	15:05:55.413	15:17:36.807	701.39400
GS	82186	08-JAN-2011	14:59:34.225	15:12:23.782	769.55700
CM	82186	08-JAN-2011	15:10:31.856	15:17:36.438	424.58200
MM	82187	08-JAN-2011	17:17:52.394	17:30:23.936	751.54200
MI	82187	08-JAN-2011	16:44:54.306	16:57:08.581	734.27500
GS	82187	08-JAN-2011	16:38:47.542	16:52:12.674	805.13200
MM	82188	08-JAN-2011	18:57:00.609	19:09:38.038	757.42900
GS	82188	08-JAN-2011	18:19:53.673	18:27:14.800	441.12700
JO	82188	08-JAN-2011	19:18:19.647	19:28:33.285	613.63800
MM	82189	08-JAN-2011	20:36:23.248	20:49:07.251	764.00300
MA	82189	08-JAN-2011	19:36:04.547	19:48:01.388	716.84100
JO	82189	08-JAN-2011	20:55:35.773	21:10:34.492	898.71900
HO	82190	08-JAN-2011	22:09:58.012	22:20:56.320	658.30800
MM	82190	08-JAN-2011	22:16:23.818	22:28:52.658	748.84000
JO	82190	08-JAN-2011	22:37:32.164	22:45:33.098	480.93400
HO	82191	08-JAN-2011	23:46:41.148	00:01:06.909	865.76100
MM	82191	08-JAN-2011	23:57:20.933	00:08:52.223	691.29000

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

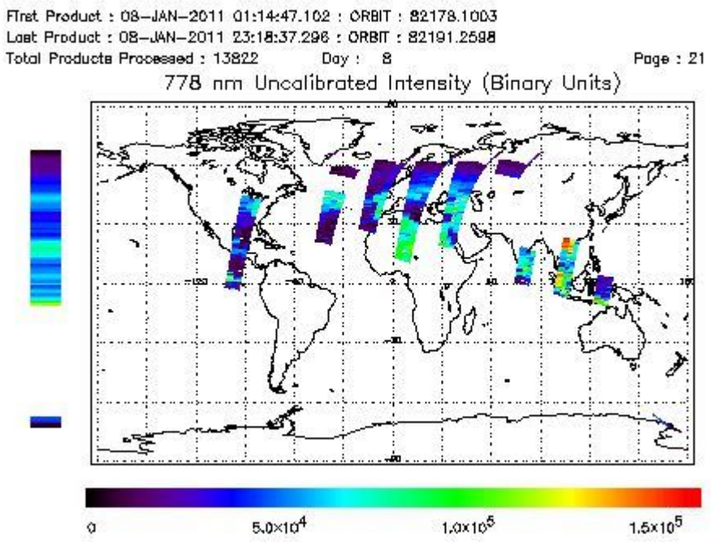
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK

Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

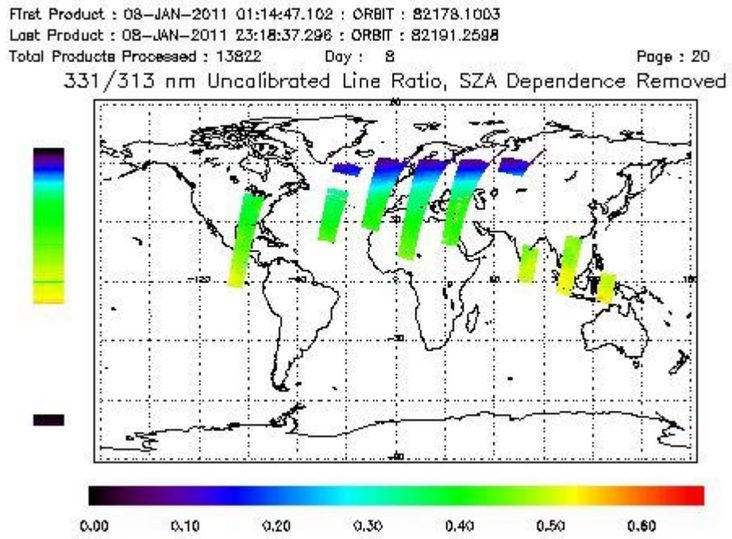
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

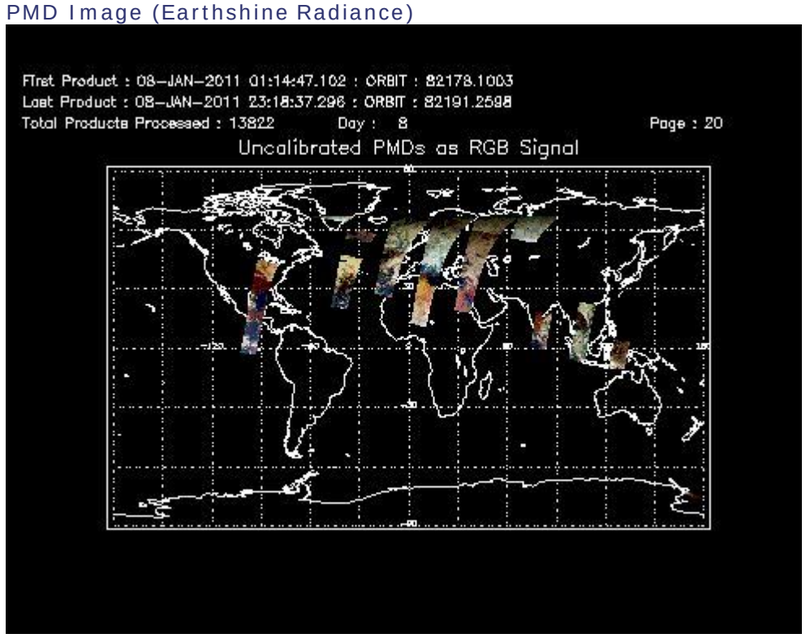
NEAR IR Intensity



Ozone Line Ratio



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	13:19:20.085	--	82185	Yes	--	15429

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any)(V)	Lamp Failure N. (if any)
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lamp	Yes	--	--	--			

(1)

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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
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(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors